

GP-304140

SPEED CONTROL FOR AN ELECTRICALLY VARIABLE
TRANSMISSION

ABSTRACT OF THE DISCLOSURE

A multi-mode hybrid transmission has speed control provided via an open loop model derived as a function of preselected transmission accelerations and controlled and uncontrolled transmission torques. Motor
5 torques are selected as the controlled torques and other preselected transmission torques are selected as the uncontrolled torques. The control also employs a closed loop control effort responsive to at least one preselected transmission speed error.